

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.**

Application Serial Number: 10/814,760A  
Source: JPN  
Date Processed by STIC: 12-15-04

***ENTERED***



IFWO

## RAW SEQUENCE LISTING

DATE: 12/15/2004

PATENT APPLICATION: US/10/814,760A

TIME: 15:32:54

Input Set : D:\BUCHANAN CRH AND POMC EFFECTS (FURMAN).txt  
 Output Set: N:\CRF4\12152004\J814760A.raw

4 <110> APPLICANT: Buchanan, Fiona C.  
 5       Thue, Tracy D.  
 6       Winkelman-Sim, Dianne  
 8 <120> TITLE OF INVENTION: CRH AND POMC EFFECTS ON ANIMAL GROWTH  
 11 <130> FILE REFERENCE: 0100024.0523741  
 13 <140> CURRENT APPLICATION NUMBER: US 10/814,760A  
 14 <141> CURRENT FILING DATE: 2004-03-31  
 16 <160> NUMBER OF SEQ ID NOS: 9  
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0  
 20 <210> SEQ ID NO: 1  
 21 <211> LENGTH: 584  
 22 <212> TYPE: DNA  
 23 <213> ORGANISM: Bos taurus  
 25 <220> FEATURE:  
 26 <221> NAME/KEY: misc\_feature  
 27 <222> LOCATION: (22)...(22)  
 28 <223> OTHER INFORMATION: SNP present (CRH4")  
 30 <221> NAME/KEY: misc\_feature  
 31 <222> LOCATION: (145)...(145)  
 32 <223> OTHER INFORMATION: SNP present ("CRH 45")  
 W--> 34 <221> misc\_feature  
 35 <222> LOCATION: (240)...(240)  
 36 <223> OTHER INFORMATION: SNP present ("CRH77")  
 38 <300> PUBLICATION INFORMATION:  
 39 <308> DATABASE ACCESSION NO: GenBank AF340152  
 40 <309> DATABASE ENTRY DATE: 2004-02-12  
 W--> 42 <400> 1  
 43 cggccgctaa aatgcgactg ccgctgctcg tggccgtggg cgtcctgctg gtggctctgc 60  
 44 tgccctcccc gccatgcagg gcccctccta gcccggggcc catccccgggt gcccggcagg 120  
 45 catcacagca cccccagccc ctgagttct tccagccgcc gccgcagccc caggaacccc 180  
 46 aggctctgcc caccctactc cgtgttgggg aggaataactt cctccgcctg ggtaacctcg 240  
 47 atgagacccg ggctgctccs ctctctcccg cccgcctcgcc tctcgccagc agaagcagca 300  
 48 gtcgccttc tccggacaag gtggccgcca actttttccg agcgcgtgctg cagccccggc 360  
 49 gcccattcga cagcccagcg ggtcccgccg aacgcggcac ggagaacgc 420  
 50 gccaggaggc gcccggccgccc aggaagaggc gatcccagga acctcccatc tccctggatc 480  
 51 tcaccccca cctcctccga gaagtcttgg aatgaccaa ggccgatcag tttagcacagc 540  
 52 aagctcatar caayagggaaa ctgttggaca ttgctggaa atga 584  
 54 <210> SEQ ID NO: 2  
 55 <211> LENGTH: 1002  
 56 <212> TYPE: DNA  
 57 <213> ORGANISM: Bos taurus  
 59 <220> FEATURE:  
 60 <221> NAME/KEY: misc\_feature

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61 <222> LOCATION: (254) ... (254)  
 62 <223> OTHER INFORMATION: SNP  
 64 <300> PUBLICATION INFORMATION:  
 65 <308> DATABASE ACCESSION NO: GenBank J00021  
 66 <309> DATABASE ENTRY DATE: 1994-10-30  
 68 <400> SEQUENCE: 2  
 69 gcggaggggag tggaaaggctc aggccgcgcg cttgagggggc gggtaaacgc cgccggcctgg 60  
 70 agtggggcggg gctgtacgcg ctctggcgct ctccgcaggc gtgcacccgg gcctgcaagc 120  
 71 ccgacctctc cgccgagacg ccgggtttcc cccgcaacgg cgatgagcag ccgctgactg 180  
 72 agaacccccgg gaagtacgtc atggccatt tccgctggga ccgcttcggc cgtcgaaatg 240  
 73 gtagcagcag cagcggaggt gggggcgcgg cccagaagcg cgaggaggaa gtggcggtgg 300  
 74 gccaaggccc cggggccccgc ggcgtacgcg ccgagacggg tccgcgcgg gacaagcgtt 360  
 75 cttactccat ggaacacttc cgctggggca agccgggtgg caagaagcgg cgcccggtga 420  
 76 aggtgtaccc caacggcgcg gaggacgagt cggcccaggc cttccctc gaattcaaga 480  
 77 gggagctgac cggggagagg ctcgagcagg cgcgcggccc cgaggcccag gctgagagtg 540  
 78 cggccgcccc ggctgagctg gatgtggcc tgggtggcgg ggcggaggct gaggcggccg 600  
 79 agaagaagga ctcggggccc tataagatgg aacacttcg ctggggcagc cgcggcaagg 660  
 80 acaagcgcta cggggggttc atgacccctcg aqaagagcca aacggccctt gtcacgctgt 720  
 81 tcaaaaacgc catcatcaag aacgcccaca agaagggcca gtgagggcgc agcgggcagg 780  
 82 ggcctctctc cgccggaaagt tgacctgaa ggcctctctt ctgcctctt accgcctcgc 840  
 83 agcctgggtg aggattcgcc caggcagtga tggcgccagg tatcccgact cttaaagctg 900  
 84 tctgttagtta agaaataaaa ctttcaagt ttacgaaata ttgactgggt gaattaaaaa 960  
 85 cgcatttcca tcaagtaaaag ggcagtacat attggagggg cg 1002  
 87 <210> SEQ ID NO: 3  
 88 <211> LENGTH: 1809  
 89 <212> TYPE: DNA  
 90 <213> ORGANISM: Bos taurus  
 92 <220> FEATURE:  
 93 <221> NAME/KEY: misc\_feature  
 94 <222> LOCATION: (1069) ... (1069)  
 95 <223> OTHER INFORMATION: SNP  
 97 <300> PUBLICATION INFORMATION:  
 98 <308> DATABASE ACCESSION NO: GenBank AF265221  
 99 <309> DATABASE ENTRY DATE: 2001-11-09  
 101 <400> SEQUENCE: 3  
 102 cagcctaaga tttccaagtg atgctgacca gagccacact taaaagagac taaaacttc 60  
 103 cttccagct cggagcatg ggacatttat tcacagcagg catccactc tccgcgcct 120  
 104 aactttcggtt tggggcaagt caagactggaa gaaagggtct gaggctgcca gatccaggag 180  
 105 gttcagtcag tccagagggg acctgaatcc aaaatgaact ctacccagcc cttggatg 240  
 106 cacacccctc tccactccctg gaaccgcagc gcccacgaa tgcccaccaa tgtcagtgag 300  
 107 tccctggcaa aaggctactc ggacgggggg tgctatgagc agctttgt ctctcccgag 360  
 108 gtgtttgtga ctctgggggt catcagctt tggagaata ttctggat cgtggccata 420  
 109 gccaagaaca agaatctgca ctcacccatg tacttttca tctgcagcct ggctgtggct 480  
 110 gacatgttgg tgagcggttc caacgggtcg gaaaccattt tcacccct gctgaacagc 540  
 111 acggacacgg acgcgcagag cttcacggtg gatattgaca atgtcattga ctcggtgatc 600  
 112 tgtagctcct tgcttgcctc catctgcagc ttgctgtcga tcgcgggtgg caggtactt 660  
 113 actatcttct atgcgttca gtaccataac atcatgacgg tgaagcgggt ggcgtatcacc 720  
 114 atcagcgcca tctgggcagc ctgcacggtg tcgggcgtct tggatcatcat ttactcagac 780  
 115 agcagtgtcg ttatcatctg cttcatcacc gtgttcttca ccatgctggc tctcatggcg 840

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116 tctctctatg tccacatgtt cctcatggcc agactccaca ttaagaggat cgccgtcctg 900  
 117 ccaggtagcg gcaccatccg ccagggcgcc aacatgaagg gggcgattac cctgaccata 960  
 118 ctgatcgaaa tctttgttgc ctgtgtggcc cccttcttcc tgacacctgat attctacatc 1020  
 119 tcttgcctcc agaaccata ctgtgtgtgt ttcattgtctc actttaacct gtacctcatc 1080  
 120 ctcattatgt gcaattccat cattgaccct ctgatttagt ccctgcggag ccaagaactg 1140  
 121 aggaaaaccc tcaaagagat cattgttgc tctcctctg gtggcctctg tgatttgct 1200  
 122 agcagatatt aaatggggac aaacgcgtg ctaaacacaa gcttaagaga ctttctcctt 1260  
 123 ctcattatgtt caacatgttca agtctgttac agccacagct ttttctctg ttagggcat 1320  
 124 ggagtgaaaaa tttctattgt atcattgttca gtttgcattt ttttctgtat gtgaaacagt 1380  
 125 gcccagtctt ggtgtatccc taatgttcatg ctactttctg gctgtaaaat gtgaatccac 1440  
 126 atcacaggtt ataggcacta tgcatttata aaaaaagaag aaaaaaaagtc cttatgagga 1500  
 127 gtttaacagt gtttccttct tggattttac aaggatgtga cactttgttctt gcttttgtaa 1560  
 128 catggaaatc acagcttcat taatgttatac ctcataagtg gttttttat gttataactt 1620  
 129 acaacactga agtgtaaaaa tttgatttca gcatttaggg gagaatatt gagaacatata 1680  
 130 tgcttaatca taaaaaacaa gctgttattt caggtaattt aataagactt tctcatttcat 1740  
 131 tcttcctgtt cagaaggtaa aatgttcatg gtattgggat aaaaacagt acttaaaaaa 1800  
 132 aaaaaaaaaa 1809  
 134 <210> SEQ ID NO: 4  
 135 <211> LENGTH: 22  
 136 <212> TYPE: DNA  
 137 <213> ORGANISM: Bos taurus  
 139 <220> FEATURE:  
 140 <221> NAME/KEY: misc\_feature  
 141 <222> LOCATION: (0)...(0)  
 142 <223> OTHER INFORMATION: Forward primer for DNA amplification of sequences  
 143 within SEQ ID NO: 1  
 145 <400> SEQUENCE: 4  
 146 gcgcggctt aatgcgtact ga 22  
 148 <210> SEQ ID NO: 5  
 149 <211> LENGTH: 20  
 150 <212> TYPE: DNA  
 151 <213> ORGANISM: Bos taurus  
 153 <220> FEATURE:  
 154 <221> NAME/KEY: misc\_feature  
 155 <222> LOCATION: (0)...(0)  
 156 <223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is  
 157 the reverse complement of the corresponding  
 158 sequence in SEQ ID NO: 1  
 160 <400> SEQUENCE: 5  
 161 ctgtgtatgtt tgccgggcac 20  
 163 <210> SEQ ID NO: 6  
 164 <211> LENGTH: 21  
 165 <212> TYPE: DNA  
 166 <213> ORGANISM: Bos taurus  
 168 <220> FEATURE:  
 169 <221> NAME/KEY: misc\_feature  
 170 <222> LOCATION: (0)...(0)  
 171 <223> OTHER INFORMATION: Forward primer for DNA amplification fo sequences  
 172 within SEQ ID NO: 2

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174 <400> SEQUENCE: 6  
175 cgtgcacccg gcctgcaag c 21  
177 <210> SEQ ID NO: 7  
178 <211> LENGTH: 23  
179 <212> TYPE: DNA  
180 <213> ORGANISM: Bos taurus  
182 <220> FEATURE:  
183 <221> NAME/KEY: misc\_feature  
184 <222> LOCATION: (0)...(0)  
185 <223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is  
186 the reverse complement of the corresponding  
187 sequence in SEQ ID NO:2  
189 <400> SEQUENCE: 7 23  
190 gtcagctccc tcttgaattc gag  
192 <210> SEQ ID NO: 8  
193 <211> LENGTH: 20  
194 <212> TYPE: DNA  
195 <213> ORGANISM: Bos taurus  
197 <220> FEATURE:  
198 <221> NAME/KEY: misc\_feature  
199 <222> LOCATION: (0)...(0)  
200 <223> OTHER INFORMATION: Forward primer for DNA amplification of sequences  
201 within SEQ ID NO: 3  
203 <400> SEQUENCE: 8 20  
204 taccctgacc atactgatcg  
206 <210> SEQ ID NO: 9  
207 <211> LENGTH: 22  
208 <212> TYPE: DNA  
209 <213> ORGANISM: Bos taurus  
211 <220> FEATURE:  
212 <221> NAME/KEY: misc\_feature  
213 <222> LOCATION: (0)...(0)  
214 <223> OTHER INFORMATION: Reverse primer for DNA amplification; sequence is  
215 the reverse complement of corresponding sequence  
216 in SEQ ID NO: 3  
218 <400> SEQUENCE: 9 22  
219 agagcaacaa atgatcttt tg

VERIFICATION SUMMARY

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Input Set : D:\BUCHANAN CRH AND POMC EFFECTS (FURMAN).txt  
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L:34 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1

L:42 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:1